EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	rout$4 near10 (job$1 task$1 thread$1 process processes) near10 client$4 and @ad<"20020116" and 718/102-105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:53
L2	636	distribut$4 near10 (task$1 job$1) near10 client$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L3	0	tranfser$4 near10 (task$1 job$1) near10 client$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L4	42	(task$1 subtask$1 job$1 process processes thread$1) near10 class$1 near10 queue$1 and @ad<"20020116" and "718"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L5	0	preemt$5 near10 load near10 balanc$4 and "718"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L6	1	coordinat$4 near10 (job$1 task$1 thread$1 process processes) near10 client$4 and @ad<"20020116" and 718/102-105.ccls. and 709/202, 208-209,217-219,224,229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L7	54	transfer$4 near10 (task$1 job$1) near10 client$4 and "709"/$.ccls. and queue$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:43
L8	0	transfer$4 near10 (task$1 job$1) near10 client$4 and "709"/$.ccls. and peer adj "to" adj peer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:44
L9	203	(relocat$4 migrat$4 transfer$1) near10 (agent$1 program$1) same flush$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:54

EAST Search History

L10	0	(relocat$4 migrat$4 transfer$1) near10 (agent$1 program$1) same flush$4 and 718/102-105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:45
L11	12	rout$4 near10 (job$1 task$1 thread$1 process processes) near10 client$4 and @ad<"20020116" and 718/102-105.ccls. and 709/223-229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:53
L12	0	(relocat$4 migrat$4 transfer$1) near10 (agent$1 program$1) same flush$4 and 718/102-105.ccls. and 709/223-229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:54
L13	40	(relocat$4 migrat$4 transfer$1) near10 (agent$1 program$1) and 718/102-105.ccls. and 709/223-229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 13:54
L14	27	rout$4 near10 (job$1 task$1 thread$1 process processes) near10 client$4 and @ad<"20020116" and 718/102-105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/13 14:02

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1 Statistical sentence condensation using ambiguity packing and stochastic disambiguation methods for Lexical-Functional Grammar
Stefan Riezler, Tracy H. King, Richard Crouch, Annie Zaenen
May 2003 **Proceedings of the 2003 Conference of the North American Chapter of the Association for Computational Linguistics on Human Language Technology - Volume 1 NAACL '03**
Publisher: Association for Computational Linguistics
Full text available: ▨ pdf(127.36 KB)   Additional Information: full citation, abstract, references

> We present an application of ambiguity packing and stochastic disambiguation techniques for Lexical-Functional Grammars (LFG) to the domain of sentence condensation. Our system incorporates a linguistic parser/generator for LFG, a transfer component for parse reduction operating on packed parse forests, and a maximum-entropy model for stochastic output selection. Furthermore, we propose the use of standard parser evaluation methods for automatically evaluating the summarization quality of senten ...

2 Teleological reasoning in reason-based logic
Jaap Hage
May 1995 **Proceedings of the 5th international conference on Artificial intelligence and law**
Publisher: ACM Press
Full text available: ▨ pdf(1.06 MB)   Additional Information: full citation, references, citings, index terms

3 Example-based machine translation using efficient sentence retrieval based on edit-distance
Takao Doi, Hirofumi Yamamoto, Eiichiro Sumita
December 2005 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 4 Issue 4
Publisher: ACM Press
Full text available: ▨ pdf(582.72 KB)   Additional Information: full citation, abstract, references, index terms

> An Example-Based Machine Translation (EBMT) system, whose translation example unit is a sentence, can produce an accurate and natural translation if translation examples similar enough to an input sentence are retrieved. Such a system, however, suffers from the problem of narrow coverage. To reduce the problem, a large-scale parallel corpus is required and, therefore, an efficient method is needed to retrieve translation examples from a large-scale corpus. The authors propose an efficient retrie ...

> **Keywords:** A* search, Example-based machine translation, edit-distance, example

retrieval, word graph

4 Contributed papers: A computational treatment of sentence-final 'then'
Sheila Glasbey
April 1993 **Proceedings of the sixth conference on European chapter of the Association for Computational Linguistics**
Publisher: Association for Computational Linguistics
Full text available: pdf(841.56 KB)   Additional Information: full citation, abstract, references
Publisher Site

We describe a computational system which parses discourses consisting of sequences of simple sentences. These contain a range of temporal constructions, including time adverbials, progressive aspect and various aspectual classes. In particular, the grammar generates the required readings, according to the theoretical analysis of (Glasbey, forthcoming), for sentence-final 'then'.

5 Experiments with a Hindi-to-English transfer-based MT system under a miserly data scenario
Alon Lavie, Stephan Vogel, Lori Levin, Erik Peterson, Katharina Probst, Ariadna Font Llitjós, Rachel Reynolds, Jaime Carbonell, Richard Cohen
June 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 2
Publisher: ACM Press
Full text available: pdf(152.01 KB)   Additional Information: full citation, abstract, references, index terms, review

We describe an experiment designed to evaluate the capabilities of our trainable transfer-based (Xfer) machine translation approach, as applied to the task of Hindi-to-English translation, and trained under an extremely limited data scenario. We compare the performance of the Xfer approach with two corpus-based approaches---Statistical MT (SMT) and Example-based MT (EBMT)---under the limited data scenario. The results indicate that the Xfer system significantly outperforms both EBMT and SMT in t ...

Keywords: Evaluation, Hindi, example-based machine translation, limited data resources, machine learning, multiengine machine translation, statistical translation, transfer rules

6 Chart-based transfer rule application in Machine Translation
Adam Meyers, Michiko Kosaka, Ralph Grishman
July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 1**
Publisher: Association for Computational Linguistics
Full text available: pdf(593.75 KB)   Additional Information: full citation, abstract, references

Transfer-based Machine Translation systems require a procedure for choosing the set of transfer rules for generating a target language translation from a given source language sentence. In an MT system with many competing transfer rules, choosing the best set of transfer rules for translation may involve the evaluation of an explosive number of competing sets. We propose a solution to this problem based on current best-first chart parsing algorithms.

7 A tool for automated revision of grammars for NLP systems
Nanda Kambhatla, Wlodek Zadrozny
April 2000 **Proceedings of the sixth conference on Applied natural language processing**
Publisher: Morgan Kaufmann Publishers Inc.
Full text available: pdf(672.68 KB)   Additional Information: full citation, abstract, references
Publisher Site

We present an algorithm and a tool for automatically revising grammars for natural language processing (NLP) systems to disallow specifically identified sentences or sets of sentences. We also outline an approach for automatically revising attribute value grammars using counter-examples. Developing grammars for NLP systems that are both general enough to accept most sentences about a domain, but constrained enough to disallow other sentences is very tedious. Our approach of revising grammars aut ...

8   Simultaneous interpretation utilizing example-based incremental transfer

Hideki Mima, Hitoshi Iida, Osamu Furuse

August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 2 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2**

Publisher: Association for Computational Linguistics , Association for Computational Linguistics

Full text available: pdf(658.18 KB)   Additional Information: full citation, abstract, references

This paper describes a practical method of automatic simultaneous interpretation utilizing an example-based incremental transfer mechanism. We primarily show how incremental translation is achieved in the context of an example-based framework. We then examine the type of translation examples required for a simultaneous interpretation to create naturally communicative dialogs. Finally, we propose a scheme for automatic simultaneous interpretation exploiting this example-based incremental translat ...

9   Data Communication Control Procedures

Byron W. Stutzman

December 1972 **ACM Computing Surveys (CSUR)**, Volume 4 Issue 4

Publisher: ACM Press

Full text available: pdf(1.36 MB)   Additional Information: full citation, references, citings, index terms

10 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Publisher: MIT Press

Full text available: pdf(6.15 MB) Additional Information: full citation

Publisher Site

11 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: pdf(987.69 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis
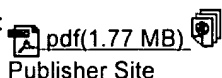
12 Adaptive multilingual sentence boundary disambiguation

David D. Palmer, Marti A. Hearst

June 1997 **Computational Linguistics**, Volume 23 Issue 2

Publisher: MIT Press
Full text available: pdf(1.77 MB)   Additional Information: full citation, abstract, references, citings
Publisher Site

The sentence is a standard textual unit in natual language processing applications. In many language the punctuation mark that indicates the end-of-sentence boundary is ambiguous; thus the tokenizers of most NLP systems must be equipped with special sentence boundary recognition rules for every new text collection.As an alternative, this article presents an efficient, trainable system for sentence boundary disambiguation. The system, called Satz, makes simple estimates of the parts of speech of ...
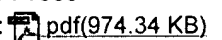
13 Sentencing and information management: consistency and the particularities of a case
Marius J. A. Duker, Arno R. Lodder
June 1999 **Proceedings of the 7th international conference on Artificial intelligence and law**
Publisher: ACM Press
Full text available: pdf(974.34 KB)   Additional Information: full citation, abstract, references, index terms

Sentencing practice is often considered inconsistent. The use of IT and AI to support sentencing decisions in order to make them more consistent, deserves a lot of attention nowadays. The movement for more fair and consistent sentencing in the Netherlands led to the development of several JDSSs (Judicial Decision Support System) that already are or shortly will be used by the Public Prosecution and the Judiciary. Criticism towards the use of IT and AI for this sentencing purpose is often di ...

Keywords: information management, mediating systems, procedural legitmatization, sentencing systems
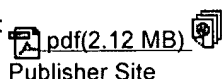
14 Special issues on machine translation: A survey of machine translation: its history, current status, and future prospects
Jonathan Sloculn
January 1985 **Computational Linguistics,** Volume 11 Issue 1
Publisher: MIT Press
Full text available: pdf(2.12 MB)   Additional Information: full citation, abstract, references, citings, review
Publisher Site

Elements of the history, state of the art, and probable future of Machine Translation (MT) are discussed. The treatment is largely tutorial, based on the assumption that this audience is, for the most part, ignorant of matters pertaining to translation in general, and MT in particular. The paper covers some of the major MT R&D groups, the general techniques they employ(ed), and the roles they play(ed) in the development of the field. The conclusions concern the seeming permanence of the translat ...
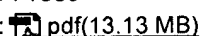
15 Special issue on knowledge representation
Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin,** Issue 70
Publisher: ACM Press
Full text available: pdf(13.13 MB)   Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

16

An experiment in hybrid dictionary and statistical sentence alignment

Nigel Collier, Kenji Ono, Hideki Hirakawa
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 1 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1**
Publisher: Association for Computational Linguistics , Association for Computational Linguistics
Full text available: pdf(572.08 KB)
Publisher Site   Additional Information: full citation, abstract, references

The task of aligning sentences in parallel corpora of two languages has been well studied using pure statistical or linguistic models. We developed a linguistic method based on lexical matching with a bilingual dictionary and two statistical methods based on sentence length ratios and sentence offset probabilities. This paper seeks to further our knowledge of the alignment task by comparing the performance of the alignment models when used separately and together, i.e. as a hybrid system. Our re ...

17 Developing a natural language interface to complex data

Gary G. Hendrix, Earl D. Sacerdoti, Daniel Sagalowicz, Jonathan Slocum
June 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 2
Publisher: ACM Press

Full text available: pdf(3.13 MB)   Additional Information: full citation, abstract, references, citings, index terms

Aspects of an intelligent interface that provides natural language access to a large body of data distributed over a computer network are described. The overall system architecture is presented, showing how a user is buffered from the actual database management systems (DBMSs) by three layers of insulating components. These layers operate in series to convert natural language queries into calls to DBMSs at remote sites. Attention is then focused on the first of the insulating components, th ...

Keywords: database access, human engineering, intelligent interface, natural language, run-time personalization, semantic grammar

18 Tricolor DAGs for machine translation

Koichi Takeda
June 1994 **Proceedings of the 32nd annual meeting on Association for Computational Linguistics**
Publisher: Association for Computational Linguistics
Full text available: pdf(719.90 KB)
Publisher Site   Additional Information: full citation, abstract, references

Machine translation (MT) has recently been formulated in terms of constraint-based knowledge representation and unification theories, but it is becoming more and more evident that it is not possible to design a practical MT system without an adequate method of handling mismatches between semantic representations in the source and target languages. In this paper, we introduce the idea of "information-based" MT, which is considerably more flexible than interlingual MT or the conventional transfer- ...

19 Syntactic processing and functional sentence perspective

Martin Kay
June 1975 **Proceedings of the 1975 workshop on Theoretical issues in natural language processing**
Publisher: Association for Computational Linguistics
Full text available: pdf(443.62 KB)
Publisher Site   Additional Information: full citation, references, citings

20 Machine translation by interaction between paraphraser and transfer

Kazuhide Yamamoto
August 2002 **Proceedings of the 19th international conference on Computational linguistics - Volume 1**
Publisher: Association for Computational Linguistics
Full text available: pdf(184.31 KB)   Additional Information: full citation, abstract, references

A machine translation model has been proposed where an input is translated through both source-language and target-language paraphrasing processes. We have implemented our prototype model for the Japanese-Chinese language pair. This paper. describes our core idea of translation, where a source language paraphraser and a language transfer cooperates in translation by exchanging information about the source input.

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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((((migrat* transfer* relocat*) <sentence> (program* agent*) <sentence> accept*)<in>	**Search** ▶

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